

Appl. No. 09/769,873  
Amdt. Dated April 22, 2004  
Reply to Office action of December 22, 2003

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (canceled)**

1           **Claim 2 (currently amended) :** A data communication apparatus  
2        according to claim 1, connected to a wireless communication  
3       apparatus for executing a data communication via a wireless line,  
4       comprising:  
5           an information communicator which communicates with the  
6       wireless communication apparatus and receives operation condition  
7       information of the wireless communication apparatus;  
8           a clock generator which generates a clock; and  
9           a clock controller for performing a clock control operation  
10       to control the clock generator in response to the operation  
11       condition information,  
12           wherein the clock controller performs control operation is  
13       at least one of a voltage control and a frequency control.

1       OK   **Claim 3 (original):** A data communication apparatus  
2       according to claim 2, wherein the frequency control is a  
3       frequency shift.

1           **Claim 4 (original):** A data communication apparatus  
2       according to claim 2, wherein the frequency control is a

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3 frequency modulation.

1           **Claim 5** (currently amended) A data communication apparatus  
2 according to claim  $\pm$  2,

3           wherein the operation condition information includes  
4 information of a wireless frequency used by the wireless  
5 communication apparatus.

1           **Claim 6** (currently amended): A data communication apparatus  
2 according to claim  $\pm$  2, wherein the operation condition  
3 information includes a reception filed strength of the wireless  
4 communication apparatus.

1           **Claim 7** (currently amended) A data communication apparatus  
2 according to claim  $\pm$  2, wherein the operation condition  
3 information includes a reception data error rate of the wireless  
4 communication apparatus.

1           **Claim 8** (currently amended): A data communication apparatus  
2 according to claim  $\pm$  2, wherein the operation condition  
3 information includes line quality information of the wireless  
4 communication apparatus.

1           **Claim 9** (original): A data communication apparatus  
2 according to claim 5, wherein the information communicator  
3 receives information of the wireless frequency when data

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4 communication operation is commenced.

1           **Claim 10 (original):** A data communication apparatus  
2 according to claim 5, wherein the information communicator  
3 periodically receives information of the wireless frequency in  
4 a predetermined time interval.

1           **Claim 11 (original):** A data communication apparatus  
2 according to claim 5, wherein the clock controller performs the  
3 clock control operation when the clock controller judges that a  
4 multiplied frequency of the clock coincide with the wireless  
5 frequency.

1           **Claim 12 (original):** A data communication apparatus  
2 according to claim 5, wherein the clock controller performs the  
3 clock control operation when the clock controller judges that the  
4 wireless frequency is changed from the preceding frequency value.

1           **Claim 13 (original):** A data communication apparatus  
2 according to claim 7, wherein the clock controller performs the  
3 clock control operation when the clock controller judges that the  
4 reception data error rate exceeds an error correction capability  
5 of the wireless communication apparatus.

1           **Claim 14 (original):** A data communication apparatus  
2 according to claim 6, wherein the clock controller performs the

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3       clock control operation when the clock controller judges that the  
4       reception filed strength becomes lower than a level at which a  
5       data error starts to occur.

1                 Claim 15 (currently amended): A data communication  
2       apparatus according to claim 7, wherein the clock controller  
3       performs the clock control operation when the clock ~~control means~~  
4       controller judges that a reception data error occurs in the  
5       wireless communication apparatus based upon the reception data  
6       error rate.

1                 Claim 16 (currently amended): A data communication  
2       apparatus according to claim ~~#~~ 2, wherein the wireless  
3       communication apparatus outputs a signal for requesting the clock  
4       control operation to the clock ~~control apparatus~~ controller and  
5       when the clock ~~control apparatus~~ controller receives the clock  
6       control request signal, the clock ~~control apparatus~~ controller  
7       performs the clock control operation.

1                 Claim 17 (currently amended): A data communication  
2       apparatus according to claim ~~#~~ 2, wherein the clock ~~control~~  
3       apparatus controller outputs an instruction to change the  
4       wireless frequency of the wireless communication apparatus when  
5       the clock ~~control apparatus~~ controller judges that there is no  
6       disturbance reducing effect for the wireless communication  
7       apparatus even after the clock control operation has been carried

8 out.

1           **Claim 18** (currently amended): A data communication  
2       apparatus according to claim ± 2, wherein the clock ~~control~~  
3       apparatus controller notifies wireless frequency information  
4       which may be ~~supposed to be~~ disturbed by the clock to the  
5       wireless communication apparatus.

1           **Claim 19** (new): A data communication apparatus according to  
2       claim 2, wherein said a clock controller for performs said clock  
3       control operation so that a multiplied frequency of the clock  
4       gives no disturbance to the operation of the wireless  
5       communication apparatus.

1           **Claim 20** (new) A data communication apparatus connected to  
2       a wireless communication apparatus for executing a data  
3       communication via a wireless line, comprising:

4           an information communicator which communicates with the  
5       wireless communication apparatus and receives operation condition  
6       information of the wireless communication apparatus;

7           a clock generator which generates a clock; and

8           a clock controller for performing a clock control operation  
9       to control the clock generator in response to the operation  
10      condition information,

11           wherein the operation condition information includes  
12      information of a received wireless frequency used by the wireless

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13 communication apparatus, and

14 wherein the clock control operation is conducted when the  
15 received wireless frequency is judge to be an integer-multiplied  
16 value of an operation clock frequency. *col. 2 line 65*  
*col. 2 line 3*

1       **Claim 21 (new)** A data communication apparatus connected to  
2 a wireless communication apparatus for executing a data  
3 communication via a wireless line, comprising:

4       an information communicator which communicates with the  
5 wireless communication apparatus and receives operation condition  
6 information of the wireless communication apparatus;

7       a clock generator which generates a clock; and

8       a clock controller for performing a clock control operation  
9 to control the clock generator in response to the operation  
10 condition information,

11       wherein the operation condition information includes a  
12 reception data error rate of the wireless communication  
13 apparatus, and

14       wherein the clock control operation is conducted when the  
15 reception data error rate of the wireless communication apparatus  
16 is judged to exceed a predetermined threshold value.